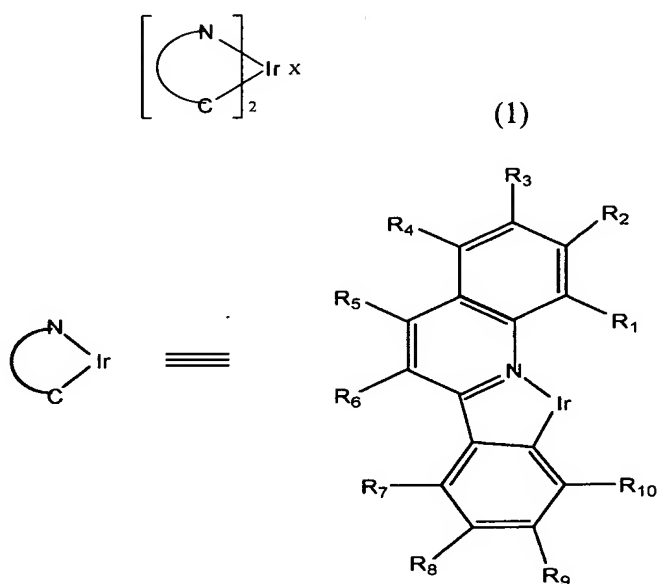


AMENDMENT IN THE SPECIFICATION

1. Please amend paragraph [0014] bridging pages 3 and 4, from line 17 on page 3 through line 10 on page 4 to read as follow:

[0014] In order to achieve the above objectives, in accordance with an aspect of the present invention, there is provided a compound having the formula (1) below:

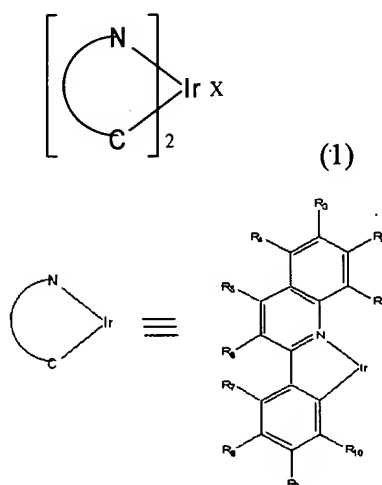


where R₁, R₂, R₃, R₄, R₅, R₆, R₇, R₈, R₉, and R₁₀ are independently selected from the group consisting of hydrogen, a substituted or unsubstituted C1-C30 alkyl group, a substituted or unsubstituted C2-C20 alkenyl group, a substituted or unsubstituted C1-C20 alkoxy group, a substituted or unsubstituted C6-C30 aryl group, a substituted or unsubstituted C6-C30 fused aromatic ring, a substituted or unsubstituted C6-C30 arylalkyl group, a substituted or unsubstituted C6-C30 aryloxy group, a substituted or unsubstituted C2-C30 heteroaryl group,

a substituted or unsubstituted C2-C30 heteroarylalkyl group, a substituted or unsubstituted C2-C30 heteroaryloxy group, a substituted or unsubstituted C5-C20 cycloalkyl group, a substituted or unsubstituted C2-C20 heterocycloalkyl group, a halogen atom, and a cyano group, and X is a bidentate ligand.

2. Please amend paragraph [0031] bridging pages 6 and 7, from line 13 on page 6 through line 10 on page 7 to read as follow:

[0031] The present invention provides a compound of formula (1) below:

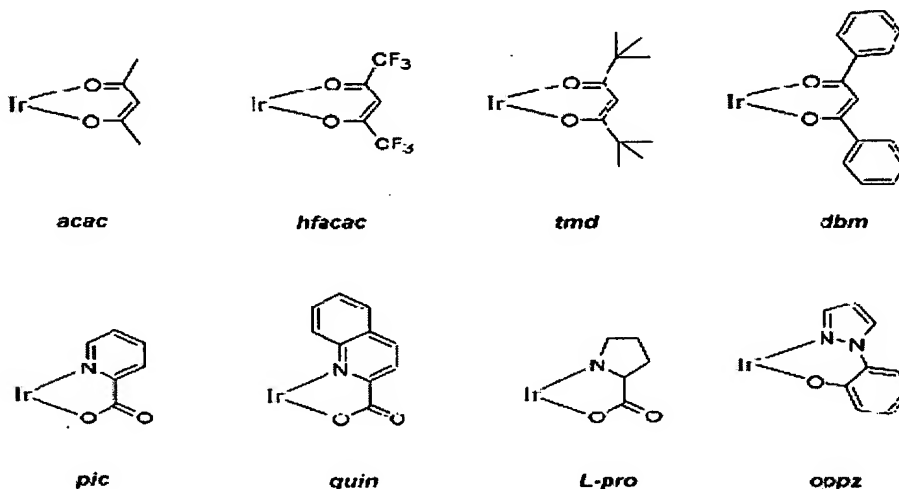


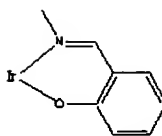
where R₁, R₂, R₃, R₄, R₅, R₆, R₇, R₈, R₉, and R₁₀ are independently selected from the group consisting of hydrogen, a substituted or unsubstituted C1-C30 alkyl group, a substituted or unsubstituted C2-C20 alkenyl group, a substituted or unsubstituted C1-C20 alkoxy group, a substituted or unsubstituted C6-C30 aryl group, a substituted or unsubstituted C6-C30 fused

aromatic ring, a substituted or unsubstituted C6-C30 arylalkyl group, a substituted or unsubstituted C6-C30 aryloxy group, a substituted or unsubstituted C2-C30 heteroaryl group, a substituted or unsubstituted C2-C30 heteroarylalkyl group, a substituted or unsubstituted C2-C30 heteroaryloxy group, a substituted or unsubstituted C5-C20 cycloalkyl group, a substituted or unsubstituted C2-C20 heterocycloalkyl group, a halogen atom, and a cyano group, and X is a bidentate ligand.

3. Please amend paragraph [0036] bridging pages 9 and 10 to read as follow:

[0036] Examples of X in formula (1) above include acetylacetonate (acac), hexafluoroacetylacetonate, salicylidene (sal), picolinate (pic), 2-quinoline carboxylate, 8-hydroxyquinolate, α -amino acid L-proline (L-pro), benzoylacetonate (bza), dibenzoylmethane (dbm), tetramethylheptanedione (tmd), and 1-(2-hydroxyphenyl)pyrazolate (oppz), which have formulae below where Ir as a ligand is illustrated for convenience.





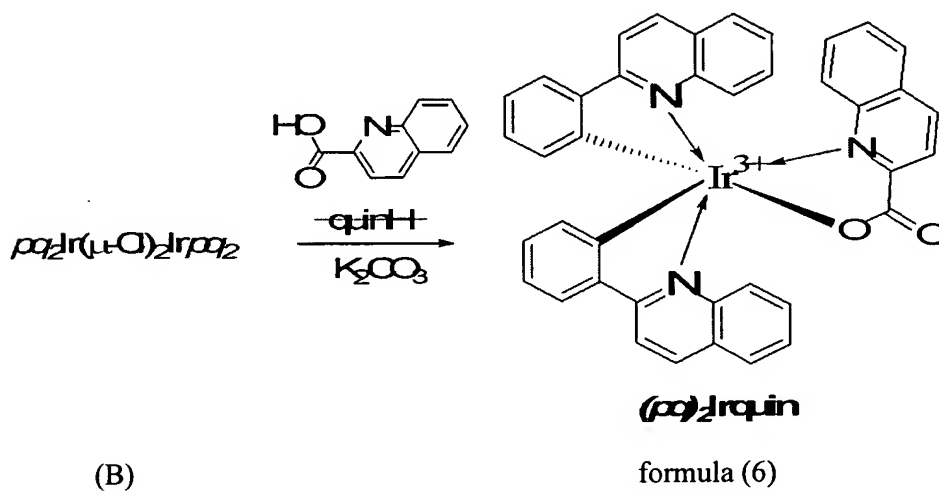
sal

4. Please amend paragraph [0087] bridging pages 26 and 27, from line 10 on page 26 through line 1 on page 27 to read as follow:

[0087] $^1\text{H-NMR}(\text{CDCl}_3, 500\text{MHz})$: 8.64 (d, 1H, J 8.6 Hz), 8.57 (d, 1H, J 8.7 Hz), 8.48 (m, 3H), 8.22 (d, 1H, J 7.9 Hz), 8.06 (d, 1H, J 7.5 Hz), 8.00 (d, 1H, J 7.2 Hz), 7.94 (d, 1H, J 9.3 Hz), 7.85 (m, 2H), 7.60 (d, 1H, J 7.3 Hz), 7.56 (m, 1H), 7.50 (m, 2H), 7.41 (m, 1H), 7.22 (d, 1H, J 8.7 Hz), 7.05 (t, 1H, J 15.8 Hz), 6.96 (m, 2H), 6.73 (t, 1H, J 14.1 Hz), 6.64 (m, 2H), 6.11 (d, 1H, J 7.3 Hz).

Synthesis Example 5: Compound of formula (6)

< Reaction scheme 4 >



4. Please amend paragraph [0089] from line 5 through line 8 on page 27 to read as follow:

[0089] 1 mmol of the compound (B), 2.5 mmol of ~~8-hydroxyquinolate (quinH)~~ 2-quinoline carxylate, and 10 mL of 2N-K₂CO₃ solution were added into 20 mL of ethanol and refluxed for 48 hours, followed by filtration of a resulting solid. The filtered solid was washed with ethanol and then acetone to provide a red compound of formula (6) above with a yield of 80%.